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Montana Oil and Gas STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XIV, No. 7 — July, 1966

Production of crude oil and condensate from the oil and gas areas of Montana for the month of July, 1966, averaged 97,307 barrels daily, a decrease of 250 barrels from the average June production of 97,557.

The nine refineries in state processed 92,428 barrels of crude oil daily for the month of July, 1966, a decrease of 7,993 barrels from the 100,421 barrels processed daily during the month of June, 1966.

During July, 54 wells were completed, 29 oil, 1 gas well and 24 dry holes.

During July, the commission issued 46 permits to drill new wells, a decrease of 9 from 55 permits issued during June.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF JULY, 1966

IN STORAGE JULY 1st	
By Producers	346,155
By Transporters	1,132,500
By Refiners	706,521
TOTAL STORAGE	2,185,176
Produced in Montana During Month	3,016,518
Imported During Month	1,963,204
TOTALS	7,164,898
DISPOSITION:	
Refined in Montana	2,865,273
Exported	2,202,879
Used for Fuel or Lost	10,329
TOTAL	5,078,481
IN STORAGE JULY 31st	
By Producers	347,964
By Transporters	1,096,906
By Refiners	641,547
TOTAL STORAGE	2,086,417

NATURAL GAS WITHDRAWALS IN MONTANA

Month of July, 1966

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	31,942
Bowdoin	59,750
Bowes	32,098
Cabin Creek	101,742
Cedar Creek	143,158
Cut Bank (Including Reagan)	587,097
Devon	0
Dry Creek	2,957
Elk Basin	26,324
Flat Coulee	9,234
Gold Butte	2,047
Golden Dome	0
Grandview	6,238
Hardin	3,667
Keith Block	357,333
Kevin Sunburst	27,541
Lake Basin	86,624
Middle Butte	3,674
Mt. Lilly	56,973
Pine	66,260
Plevna	12,813
Utopia	0
Whitlash	158,785
Miscellaneous	89,789
TOTAL	1,866,046

Total withdrawals for July, 1965 were 1,784,512 M Cu. Ft.

PRODUCERS REPORT—MONTH OF JULY, 1966

Lease	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	705	5,847	.....	5,925	.....	627
2	Bannatyne	2	1,718	841	.....	876	.....	1,683
....	Bascom	....	112	.....	.....	.....	.....	112
4	Bear's Den	4	1,858	1,650	.....	2,487	.....	1,021
1	Belfry	1	353	.....	.....	141	212	.....
1	Benrud	1	554	2,149	1,933	.....	.....	770
1	Benrud East	1	512	10,006	10,015	.....	.....	503
2	Benrud Northeast	2	1,345	17,809	18,060	.....	.....	1,094
1	Berthelote	1	....	258	208	.....	.....	50
7	Big Wall	25	1,323	16,679	16,687	.....	.....	1,315
6	Blackfoot	9	1,722	4,240	1,544	3,054	.....	1,364
....	Blackfoot East	....	170	.....	.....	.....	.....	170
4	Border	6	....	2,086	.....	2,086	.....	.....
1	Bowes	51	5,840	15,675	14,381	.....	.....	7,134
2	Bradley	2	528	911	812	.....	.....	627
2	Brady	2	72	619	371	248	.....	72
....	Bynum	....	75	.....	.....	.....	.....	75
2	Cabin Creek	102	6,250	247,225	246,996	.....	.....	6,479
15	Cat Creek	87	3,520	15,300	16,794	.....	.....	2,026
1	Clark's Fork	1	205	128	.....	101	.....	232
1	Conrad South	1	990	1,972	1,972	.....	.....	990
1	Cupton	1	999	813	.....	1,196	.....	616
197	Cut Bank	1,079	97,666	395,118	387,086	4,289	2,006	99,403
2	Deer Creek	2	1,609	3,437	3,173	.....	.....	1,873
1	Delphia	1	138	633	.....	508	.....	263
....	Devil's Basin	....	451	.....	.....	.....	.....	451
1	Dry Creek	1	66	.....	.....	.....	.....	66
15	Dwyer	16	5,723	27,983	28,495	.....	.....	5,211
4	Elk Basin	55	1,628	245,671	245,622	.....	.....	1,677
5	Elk Basin Northwest	16	2,793	18,888	18,697	.....	.....	2,984
2	Fairview	2	983	16,948	.....	16,794	.....	1,137
3	Fertile Prairie	3	951	2,022	.....	2,029	.....	944
23	Flat Coulee	29	4,894	20,602	20,626	.....	.....	4,870
30	Flat Lake	44	7,777	113,414	112,495	.....	107	8,589
2	Frannie	2	.....	1,241	1,241	.....	.....	.....
17	Fred & George Creek	39	2,390	132,198	133,038	.....	.....	1,550
1	Gage	1	538	237	.....	181	.....	594
1	Gage Southwest	1	269	796	.....	777	.....	288
4	Gas City	30	8,281	50,118	42,686	10,193	.....	5,520
9	Glendive	15	4,563	37,953	24,988	12,998	.....	4,530
19	Goose Lake	21	2,596	63,393	62,877	.....	.....	3,112
10	Graben Coulee	26	4,441	21,040	13,008	6,161	573	5,739
....	Grandview	....	112	.....	.....	.....	.....	112
2	Gypsy Basin	2	8,935	691	764	155	.....	8,707
1	Hibbard	1	239	362	.....	189	.....	412
8	Ivanhoe	14	1,609	13,197	13,034	.....	.....	1,772
11	Keg Coulee	28	5,747	47,619	48,274	.....	.....	5,092
2	Keg Coulee North	2	441	2,257	1,815	.....	.....	883
127	Kevin Sunburst	696	17,059	33,240	27,841	5,148	.....	17,310
3	Little Beaver	32	4,364	34,635	37,029	319	.....	1,651
2	Little Beaver East	14	3,041	16,908	17,486	.....	.....	2,463
2	Lodge Grass	2	478	1,574	.....	1,568	.....	484
3	Lone Tree	3	1,531	4,875	.....	5,046	143	1,217
24	Lookout Butte	71	7,586	123,852	124,189	.....	342	6,907
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	578	1,524	1,726	.....	.....	376
2	Melstone	5	1,070	3,048	3,138	.....	.....	980
1	Mineral Bench	1	875	2,441	2,700	.....	.....	616
2	Miner's Coulee	4	97	5,977	5,404	.....	.....	670
7	Monarch	11	3,437	13,395	12,404	.....	.....	4,428
4	Mosser	4	.....	648	.....	.....	.....	648
7	Outlook	12	7,006	43,503	42,767	.....	.....	7,742
2	Outlook South	2	1,890	2,543	3,304	.....	.....	1,129
66	Pennel	111	3,875	180,332	175,829	.....	.....	8,378
4	Pine	125	14,892	341,262	341,158	.....	827	14,169
3	Pole Creek	5	1,734	3,018	.....	2,659	.....	2,093
69	Pondera	311	7,839	29,492	28,631	.....	1	8,699
3	Pondera Coulee	3	.....	583	583	.....	.....	.....
4	Poplar East	72	10,441	74,804	75,603	.....	71	9,571
4	Poplar Northwest	5	1,360	1,815	1,032	.....	.....	2,143
2	Prairie Elk	2	1,297	1,094	.....	1,681	.....	710
4	Ragged Point	13	3,234	3,629	4,073	.....	.....	2,790
3	Ranch Creek	3	1,344	2,305	.....	2,290	14	1,345
4	Reagan	43	1,615	16,388	17,162	.....	.....	841
1	Red Creek	27	.....	24,120	23,746	374	.....	.....
1	Redstone	1	439	959	766	.....	.....	632
1	Repeat	1	653	1,396	.....	1,800	.....	249
1	Richey	1	2,142	152	662	.....	.....	1,632
6	Richey Southwest	8	2,708	10,597	.....	10,636	.....	2,669
4	Sand Creek	5	.....	8,660	8,660	.....	.....	.....
1	Shotgun Creek	1	303	741	.....	849	.....	195
3	Sidney-Brorson	3	1,856	5,410	3,407	1,962	.....	1,897
2	Snyder	4	1,128	598	.....	562	149	1,015
5	Soap Creek	9	3,776	4,208	.....	4,294	.....	3,690
2	Spring Lake	2	3,152	3,731	.....	3,820	.....	3,063
2	Stensvad	24	4,943	32,682	32,912	.....	.....	4,713
31	Sumatra	88	9,961	68,759	67,673	.....	.....	11,047
5	Tule Creek	7	2,382	41,554	.....	41,054	.....	2,882
2	Tule Creek East	2	300	28,317	10,341	16,809	.....	1,467
1	Tule Creek South	1	520	4,063	.....	4,088	.....	495
2	Vida	2	550	2,978	.....	2,642	.....	886
4	Volt	6	1,505	23,216	22,452	.....	.....	2,269
7	Weldon	18	3,114	187,537	188,291	.....	.....	2,360
16	Whitlash	43	8,495	21,276	23,540	.....	.....	6,231
1	Whitlash West	1	140	211	211	.....	.....	140
2	Wills Creek South	2	684	8,926	8,020	.....	.....	1,590
8	Wolf Springs	13	4,683	23,109	23,222	.....	30	4,540
3	Woodrow	4	360	4,585	4,414	.....	.....	531
....	Wildcat, Carbon County	....	50	.....	.....	.....	.....	50
1	Wildcat, Glacier County	1	111	399	.....	407	4	99
1	Wildcat, Liberty County	1	305	344	.....	.....	.....	649
1	Wildcat, Richland County	1	321	1,741	.....	841	.....	1,221
1	Wildcat, Roosevelt County	1	166	489	.....	382	.....	273
1	Wildcat, Sheridan County	1	304	242	.....	334	.....	212
1	Wildcat, Toole County	1	.....	2,607	.....	2,209	.....	398
897	Total	3,565*	346,155	3,016,518	2,828,068	182,162	4,479	347,964

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1965	32,778,118	89.803	32,787,648	89,829
First Quarter, 1966	8,617,148	95,746	8,589,395	95,437
April, 1966	2,969,498	98,983	2,957,182	98,572
May, 1966	3,053,427	98,497	3,038,127	98,004
June, 1966	2,926,721	97,557	2,983,747	97,958
July, 1966	3,016,518	97,307	3,010,230	97,104

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1965	331,221	946,634	498,990	1,776,845
March, 1966	347,070	1,048,199	675,920	2,071,189
April, 1966	352,909	1,049,673	773,630	2,176,212
May, 1966	362,466	1,181,359	763,349	2,307,174
June, 1966	346,155	1,132,500	706,521	2,185,176
July, 1966	347,964	1,096,906	641,547	2,086,417

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT—MONTH OF JULY, 1966

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			5,925				5,925		
BANNATYNE—Truck			876			876			
BEAR'S DEN—Truck			2,487					2,487	
BELFRY—Truck			141				141		
BIG WALL—Continental Pipeline Co.		16,687				16,687			
BLACKFOOT—									
Camerland Cardinal Corp.			3,054					3,054	
Union Oil Co.		1,544				1,544			
		1,544	3,054			1,544		3,054	
BORDER—Truck			2,086					2,086	
BOWES—Texaco Inc.		14,381				14,381			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	298,390	874,076	47,582	847,153			1,755,941		311,260
Shell Pipeline Co.	4,475	358,083		931	478			356,856	6,155
	302,865	1,232,159	47,582	848,084	478		1,755,941	356,856	317,415
CAT CREEK—Continental Pipeline Co.		12,084				12,084			
CLARK'S FORK—Truck			101				101		
CUT BANK—									
Continental Pipeline Co.			14,594	407,081		421,675			
Phillips Petroleum Co.	100,602	66,195		49,108	317	127,963			87,625
Producers Pipeline Co.	35,223								35,223
Texas Pipeline Co.	29,439	67,312		40,684	407			112,370	24,658
Union Oil Co.	124,779	95,643		18,000		113,643			124,779
Western Oil Trans. Co.	74,437	38,391		154,552	384			219,861	47,135
Western Oil Trans. (Moulton)		131,320			1,313			130,007	
	364,480	398,861	14,594	669,425	2,421	663,281		462,238	319,420
DELPHIA—Truck			508			508			
DWYER—Portal Pipeline Co.		29,413					29,413		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		261,634				261,634			
FAIRVIEW—									
Rock Island Oil & Ref. Co.			16,794				16,794		
FLAT COULEE—									
Camerland Cardinal Corp.		19,911						19,911	
FLAT LAKE—Portal Pipeline Co.		108,506					108,506		
FRANNIE—Interstate Pipeline Co.		1,241					1,241		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	19,934	136,906						132,075	24,765
GAGE & GAGE SOUTHWEST—Truck			958			958			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	5,372	45,281			42			44,591	6,020
GOOSE LAKE—Portal Pipeline Co.		62,444					62,444		
HIBBARD—Truck			189			189			
IVANHOE—Continental Pipeline Co.		13,532				10,241	3,291		
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		45,035				18,431	26,604		
KEVIN SUNBURST—									
Big West Oil Co.	2,558	28,000				28,000			2,558
Homestake Oil & Gas Co.	1,010	1,933		16,087		17,507			1,523
Producers Pipeline Co.			1,781					1,781	
Texas Pipeline Co.	8,345	11,279			614			11,506	7,504
	11,913	41,212	1,781	16,087	614	45,507		13,287	11,585
LODGE GRASS—McWood Corp.			1,568			1,568			
LONE TREE—Truck			5,046				5,046		
MASON LAKE—Continental Pipeline Co.		1,400				1,400			
MELSTONE—Continental Pipeline Co.		3,137				3,137			
POLE CREEK—Truck			2,659				2,659		
PONDERA—Phillips Petr. Co.	60,100	31,661			(1,509)	29,836			63,434
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, RED-STONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	18,774	221,296			862			226,215†	12,993
RAGGED POINT—									
Continental Pipeline Co.		4,929				1,873	3,056		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			2,290				2,290		
RED CREEK—									
Western Oil Transportation Co.		24,792			248			24,544	
SHOTGUN CREEK—Truck			849				849		
SIDNEY-BRORSON—McWood Corp.	3,703		1,962	6,225				7,531	4,359
SNYDER—Truck			562			562			
SOAP CREEK—McWood Corp.	6,127		4,294	1,508		6,022			5,907
SPRING LAKE—									
Rock Island Oil & Ref. Co.			3,820				3,820		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	333,386	100,711		436,339	2,421	83,560		458,675	325,780
TULE CREEK—Tesoro Petr. Corp.	5,846		57,863			58,481			5,228
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		25,546				24,265		1,281	
WOLF SPRINGS—									
Continental Pipeline Co.		21,068				21,068			
WILDCAT WELLS—Truck			4,173				4,173		
TOTALS	1,132,500	2,875,371	182,162	1,977,668	5,577	1,278,093	2,032,294	1,754,831	1,096,906

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF JULY

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	.....	.....	.....	16,687	.....	.....	.....	.....	.....	16,687
Bowes	.....	.....	4,149	.....	.....	.....	.....	.....	.....	4,149
Cat Creek	.....	11,087	.....	.....	.....	4,777	.....	.....	.....	15,864
Cut Bank	.....	.....	.....	.....	.....	256	90,566	.....	89,577	180,399
Delphia	.....	.....	.....	.....	.....	1,372	.....	.....	.....	1,372
Dry Creek	.....	.....	.....	.....	.....	68	.....	.....	.....	68
Elk Basin	.....	101,207	.....	65,847	94,540	.....	.....	.....	.....	261,594
Gage & Gage S.W.	.....	.....	.....	.....	.....	840	.....	.....	.....	840
Hibbard	.....	.....	.....	.....	.....	454	.....	.....	.....	454
Ivanhoe	.....	.....	.....	.....	10,241	.....	.....	.....	.....	10,241
Keg Coulee	.....	1,815	.....	16,616	.....	.....	.....	.....	.....	18,431
Kevin Sunburst	17,507	.....	.....	.....	.....	.....	.....	.....	28,000	45,507
Lodge Grass	.....	1,568	.....	.....	.....	.....	.....	.....	.....	1,568
Mason Lake	.....	1,400	.....	.....	.....	.....	.....	.....	.....	1,400
Melstone	.....	.....	.....	3,137	.....	.....	.....	.....	.....	3,137
Pondera	.....	.....	.....	.....	.....	.....	67,792	.....	.....	67,792
Ragged Point	.....	983	.....	890	.....	.....	.....	.....	.....	1,873
Red Creek	.....	.....	.....	.....	55,877	.....	.....	.....	.....	55,877
Sand Creek	.....	.....	.....	.....	.....	1,175	.....	.....	.....	1,175
Snyder	.....	562	.....	.....	.....	.....	.....	.....	.....	562
Soap Creek	.....	6,022	.....	.....	.....	.....	.....	.....	.....	6,022
Sumatra & Stensvad	.....	18,039	.....	65,521	11,737	.....	.....	.....	.....	95,297
Tule Creek	.....	.....	.....	.....	.....	.....	.....	58,481	.....	58,481
Whitlash	24,265	.....	.....	.....	.....	.....	.....	.....	.....	24,265
Wolf Springs	.....	.....	.....	.....	29,014	.....	.....	.....	.....	29,014
Total Montana Oil	41,772	142,683	4,149	168,698	201,409	8,942	158,358	58,481	117,577	902,069
Canadian Oil Imported	.....	363,292	.....	.....	.....	.....	.....	.....	.....	363,292
Wyoming Oil Imported	.....	420,705	.....	392,841	786,366	.....	.....	.....	.....	1,599,912
Total Montana, Canadian and Wyoming Oil	41,772	926,680	4,149	561,539	987,775	8,942	158,358	58,481	117,577	2,865,273

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1965	32,792	12,751	44,980	90,523
July, 1965	20,233	11,198	51,526	92,957
July, 1966	29,099	11,719	51,610	92,428

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
36.22%	14.10%	49.68%
32.52%	12.06%	55.42%
31.48%	12.69%	55.83%